

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing (day/month/year) 16 November 2000 (16.11.00)	
International application No. PCT/SE00/00560	Applicant's or agent's file reference Case 733 PCT
International filing date (day/month/year) 22 March 2000 (22.03.00)	Priority date (day/month/year) 26 March 1999 (26.03.99)
Applicant BJÖRKNER, Jörgen et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
24 October 2000 (24.10.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer F. Baechler Telephone No.: (41-22) 338.83.38
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Best Available Copy

PATENT COOPERATION TREATY

WO 00/58867
PCT/SE00/00560

PCT

From the INTERNATIONAL BUREAU

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

PRAGSTEN, Rolf
Telia Research AB
Vitsandsgatan 9
S-123 86 Farsta
SUÈDE

Telia Research AS

2000 13

Date of mailing (day/month/year) 05 October 2000 (05.10.00)		
Applicant's or agent's file reference Case 733 PCT		IMPORTANT NOTICE
International application No. PCT/SE00/00560	International filing date (day/month/year) 22 March 2000 (22.03.00)	Priority date (day/month/year) 26 March 1999 (26.03.99)
Applicant TELIA AB et al		

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:

US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

EE,EP,LT,LV,NO,PL,RU

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 05 October 2000 (05.10.00) under No. WO 00/58867

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a **demand for international preliminary examination** must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the **national phase**, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. (41-22) 740.14.35</p>	<p>Authorized officer</p> <p style="text-align: center;">J. Zahra</p> <p>Telephone No. (41-22) 338.83.38</p>
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TENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference Case 733 PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE00/00560	International filing date (<i>day month year</i>) 22.03.2000	Priority date (<i>day month year</i>) 26.03.1999
International Patent Classification (IPC) or national classification and IPC7 G06F 17/30		
Applicant Telia AB et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 7 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 24.10.2000	Date of completion of this report 20.06.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Telex: Box 5055 17278 S-102 42 STOCKHOLM PATREG-S Facsimile No. 08-667 72 88	Authorized officer Pär Heimdahl/LR Telephone No. 08-782 25 00

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/SE00/00560

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
pages 1-13, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☒ the claims:
pages _____, as originally filed
pages _____, as amended (together with any statement) under article 19
pages _____, filed with the demand
pages 14-20, filed with the letter of 09.03.2001
- ☒ the drawings:
pages 3, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheet/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/00560

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	<u>1-30</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-30</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-30</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)**CITATIONS**

The examination process has revealed the following documents, which represent the general state of the art:

D1: US 5 793 365

D2: WO 99 03034

THE CLAIMED INVENTION

The claimed invention relates to a method and arrangement for creating a way of communication in a computer network. A person looking at a web page, which could have an arbitrary location, is by the claimed invention given the option to communicate with other people looking at the same web page simultaneously. The communication could be written, realised through chatting; or oral. The participators are, according to the claimed invention, graphically identified by a user interface. Biographical data are linked to a picture of the user.

STATEMENT

The document D1 discloses a system and method providing a computer user interface enabling access to distributed workgroup members.

Document D2 presents a system and method for generating a chat room over a computer network.

The patent document D1 describes a computer network where a plurality of users simultaneously are able to communicate in a chat room, see column 8, line 60-column 9, line 62. The chat rooms are graphically presented, see figure 5. Each
.../...

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

The pages containing the patent claims (pages 14-20) has an incorrect page numbering, according to Rule 11.7(a) PCT.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

participator is visualised by an icon (14). The option of communication through the means of video, text or sound is given, see column 9, line 29-36. There is also an opportunity for the participators of each chat room to take part of common information, like such information associated with the topic discussed in the chat room, through an object shelf (24), containing whereas types of objects, such as e.g. computer files or programs.

The arrangement and method described in D1 however, concerns a chat room arrangement and could thus not be said to consist of an arbitrary web page.

Thus, the claimed invention implies an improved effect compared to prior art. Further, it is not considered obvious for a person skilled in the art to obtain the invention from the above-mentioned document. Document D1 is considered as stating the prior art only.

Consequently the invention is novel and is considered to involve an inventive step and to be industrially applicable.

From the patent document D2 (see page 3-page 4; figures 3A, 3B, 3C; abstract) is also known a system and method for establishing a chat room over a network. The system is similar to the system and method previously described in D1. An icon represents the users of the system, see figures 3B and 3C. The participators are given the option to exchange information, such as audio, video, textual or graphical, see page 3, line 8-14.

As above stated for document D1, document D2 refers to a special forum such as a chat room. The arrangement and method as described in the patent application is an arbitrary web page, why the cited documents has to be considered to disclose the general state of the art only.

CONCLUSION

With reference to the cited art and according to the arguments stated above, the invention claimed in claims 1-30 is novel, considered to involve an inventive step and have industrial applicability.

TENT COOPERATION TREA

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference Case 733 PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/SE 00/00560	International filing date (<i>day/month/year</i>) 22 March 2000	(Earliest) Priority Date (<i>day/month/year</i>) 26 March 1999
Applicant Telia AB et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).

2. ☐ Unity of invention is lacking (See Box II).

3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing

☐ filed with the international application.
☐ furnished by the applicant separately from the international application,

☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.

☐ transcribed by this Authority.

4. With regard to the title, ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is:
 Figure No. 1

☒ as suggested by the applicant.

☐ None of the figures.

☐ because the applicant failed to suggest a figure.
☐ because this figure better characterizes the invention.

1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 00/00560

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G06F 17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5793365 A (JOHN TANG ET AL), 11 August 1998 (11.08.98), column 3, line 31 - column 4, line 28; column 8, line 57 - column 9, line 62, figure 5, abstract	1-30
	--	
X	WO 99/03034 A1 (VOCALTEC COMMUNICATIONS LTD.), 21 January 1999 (21.01.99), page 3 - page 4, figures 3A, 3B, 3C, abstract	1-30
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☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

17 July 2000

Date of mailing of the international search report

20 -07- 2000

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

ERIK VEILLAS/EE

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

02/12/99

International application No.
PCT/SE 00/00560

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 5793365 A	11/08/98	NONE	
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WO 99/03034 A1	21/01/99	NONE	
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PATENT CLAIMS

1. An arrangement at an open computer network (21),
c h a r a c t e r i s e d in that communication
5 possibilities are created between persons (20, 22) or
agents, who request access to the same information, or
to amounts of "related" information in form of, for
instance, the same storing place, the same speciality,
the same author, or the same publisher.
- 10 2. An arrangement as claimed in patent claim 1,
c h a r a c t e r i s e d in that said communication
possibilities are independent of the storing place,
owner, author, or publisher of said information, or
15 amount of information, and that communication
possibilities are created without need of special fora
or special meeting places.
- 20 3. An arrangement as claimed in any of the previous
patent claims, c h a r a c t e r i s e d in that said
communication possibilities include direct
communication.
- 25 4. An arrangement as claimed in patent claim 3,
c h a r a c t e r i s e d in that said direct
communication can be written or oral dialogue in real
time (33).
5. An arrangement as claimed in any of the previous

patent claims, characterised in that said communication possibilities consist of virtual meetings.

6. An arrangement as claimed in patent claim 5,
5 characterised in that said communication possibilities include functions to make files accessible to all participants in said virtual meeting (32).
- 10 7. An arrangement as claimed in any of the previous patent claims, characterised in that said communication possibilities include distribution of address information to, and picture of, said persons (31), and address information and picture related to
15 said agents.
8. An arrangement as claimed in any of the previous patent claims, characterised in that said open computer network is Internet or other network,
20 for instance an intranet, which utilises the same technology as Internet, and that said access to information and amounts of information consist of visits to web page/pages.
- 25 9. An arrangement as claimed in patent claim 8, characterised in that said communication possibilities are created between visitors to the same web page, or to web page that is included in an identified amount of web pages.

10. An arrangement as claimed in patent claim 9,
c h a r a c t e r i s e d in that said identified
amounts of web pages address persons who have a common
interest, by the web pages within the same amount
5 being, for instance, at the same server, at the same
group of servers, dealing with the same speciality,
belonging to the same organisation, or having the same
publisher, author, or constructor.
- 10 11. An arrangement as claimed in any of the patent claims
8 to 10, c h a r a c t e r i s e d in that said
communication possibilities are allowed on just any
web page.
- 15 12. An arrangement as claimed in any of the patent claims
8 to 11, c h a r a c t e r i s e d in that the user's
current IP-address is utilised to establish
communication.
- 20 13. An arrangement as claimed in any of the patent claims
9 to 12, c h a r a c t e r i s e d in the following
parts:
- client program/additions to program (23), which
can be loaded to the user's terminal;
 - 25 • central management functions (26), which manage
the arrangement and that communicate with users;
 - 30 • a database (25), which stores information about
users and information regarding appointment of
said identified amounts of web pages.

14. An arrangement as claimed in any of the previous patent claims, c h a r a c t e r i s e d in that necessary resources for the user's terminal working place, in addition to standard applications to create access to information, can be loaded via the open computer network and be installed at the terminal working place.
15. An arrangement as claimed in any of the previous patent claims, c h a r a c t e r i s e d in that users can register the following information:
- picture of the user;
 - identity information such as name and organizatorical affiliation etc.
 - address information, such as address to establish communication, telephone numbers, e-mail address etc.
 - biographical data.
16. An arrangement as claimed in any of the patent claims 9 to 13, c h a r a c t e r i s e d in that said virtual meetings give possibility to:
- Chatting.
 - Communication of files.
 - Management of files in common.

- Access rights to communicated files and files in common.
 - Access to address information of the participants in the meeting.
 - Showing of pictures of the participants of the meeting.
- 10 17. A method to create, in an open computer network, virtual meetings between persons or others playing a part, for instance agents, who have an interest in common, c h a r a c t e r i s e d in that said meetings are established without activating measures
- 15 needed to be taken by any of the participants in the meeting.
18. A method as claimed in patent claim 17, c h a r a c t e r i s e d in that said meetings are
- 20 established independent of the place of the participants of the meeting or address in the network.
19. A method as claimed in patent claim 17 or 18, c h a r a c t e r i s e d in that the participants of
- 25 said meeting are given information about the identities of other participants, for instance in form of name, organizatorical affiliation and stored picture or direct transmission of moving picture.
- 30 20. A method as claimed in any of the patent claims 17 to

19, characterised in that the participants of said meeting are given information about the address of other participants, for instance e-mail address and current IP-address.

5

21. A method as claimed in any of the patent claims 17 to 20, characterised in that the participants of said meeting can carry on conversation (33), for instance written or oral conversation.

10

22. A method as claimed in any of the patent claims 17 to 21, characterised in that files can be opened for the participants at said meeting.

15 23. A method as claimed in any of the patent claims 17 to 22, characterised in that participants of said meeting can make files and documents accessible to other participants at said meeting.

20 24. A method as claimed in any of the patent claims 17 to 23, characterised in that said open computer network is Internet or other network, for instance an intranet, which utilises the same technology as Internet.

25

25. A method as claimed in patent claim 24, characterised in that client software (23), which is required in addition to web crawler to utilise the invention, is loaded to the user terminal (20) from a management system (26).

30

26. A method as claimed in patent claim 24 or 25,
c h a r a c t e r i s e d in that said meetings:

- are prepared or not prepared;
- are established between visitors to web pages
that are located within the same "world", where a
"world" is an amount of web pages that persons
who have interests in common can be expected to
visit.

27. A method as claimed in patent claim 26,
c h a r a c t e r i s e d in that modifications of web
pages within the "world", or of web servers from where
said web pages are loaded to establish meetings, are
not needed.

28. A method as claimed in patent claim 26 or 27,
c h a r a c t e r i s e d in that web pages within the
same "world" are located to the same server (16), to
the same node, deal with the same speciality, have the
same authors, have the same publishers, or belong to
the same organisation.

29. A method as claimed in any of the patent claims 24 to
28, c h a r a c t e r i s e d in that the support
staff, or selling staff, of a company have possibility
to see who are visiting the web site of the company
and to communicate directly with these visitors.

30. A method as claimed in any of the patent claims 24
to 29, c h a r a c t e r i s e d in that the current
IP-address of each participant of the meeting is
utilised to establish communication between the
5 participants of the meeting.

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